

Wuhan HT5600 Earth Resistance Tester



I. Introduction

Good grounding system is an important guarantee of safe and reliable operation of electric power, telecommunications and electrical equipment. The quality of earth resistance is judged by its size. Finding an accurate, fast, simple and reliable method to measure earth resistance has become urgent in lightning protection and grounding field. HT5600 Multifunction Dual-Clamp Earth Resistance Tester can be applied to post and telecommunications, power industry, meteorology, equipment room, power distribution wire, tower transmission line, gas station, factory grounding grid, lightning rod and so on.

The instrument not only can adopt the traditional auxiliary ground electrode method to measure the earth resistance, but also can measure the earth resistance without auxiliary ground electrode, which change the traditional measurement principle and method of earth resistance: the use of double jaws non-contact measurement technology, without auxiliary ground electrode and isolating grounding body and load, to achieve the on-line measurement. In the single-point earth system and strong interference conditions, it is recommended that using auxiliary ground electrode to measure the resistance.

II. Features

1. Double clamp / ground piles measurement method: Can be applied to any place to measure whether multi-point or single point grounding.
2. Strong anti-interference ability: Self-generating high-frequency current can filter 50Hz and 100Hz harmonic interference current, even in the 500KV substation environment, it can accurately measure.
3. Wide measurement range and high resolution: Range from $0.01\Omega \sim 200\Omega$, resolution 0.01Ω , the ground resistance under 0.7Ω also can be accurately measured.
4. Large jaw design Jaw diameter is 50mm (standard configuration), which meets the case using flat iron / steel wire grounding, special jaw size can be customized.
5. High-capacity data storage It can store 200 sets of measurement datum.
6. Simple operation, single-operator Small size, light weight, explosion-proof carrying case, is easy for field measurements.

III. Parameters

Measurement range	Double clamp method	0.01Ω~200Ω
	Ground piles method	0.01Ω~200Ω
Error	Double clamp method	±3%±2 digits
	Ground piles method	±2%±2 digits
Minimum resolution	0.01Ω	
Jaw size	Φ50mm	
Storage capacity	200 groups	
Temperature	0°C~+50°C	
Power supply	8 AA NiMH rechargeable batteries or regular AA batteries	
Weight	0.8KG (battery included)	
Dimension	265×130×65mm ³	

IV. Accessories



Host



Instruction Case



Test Leads



Test Clamp



Bobbin Bracket



Charger



Ground Anchor



manual,report,certificate